

PROCESS AIRCRAFT WORK ORDERS

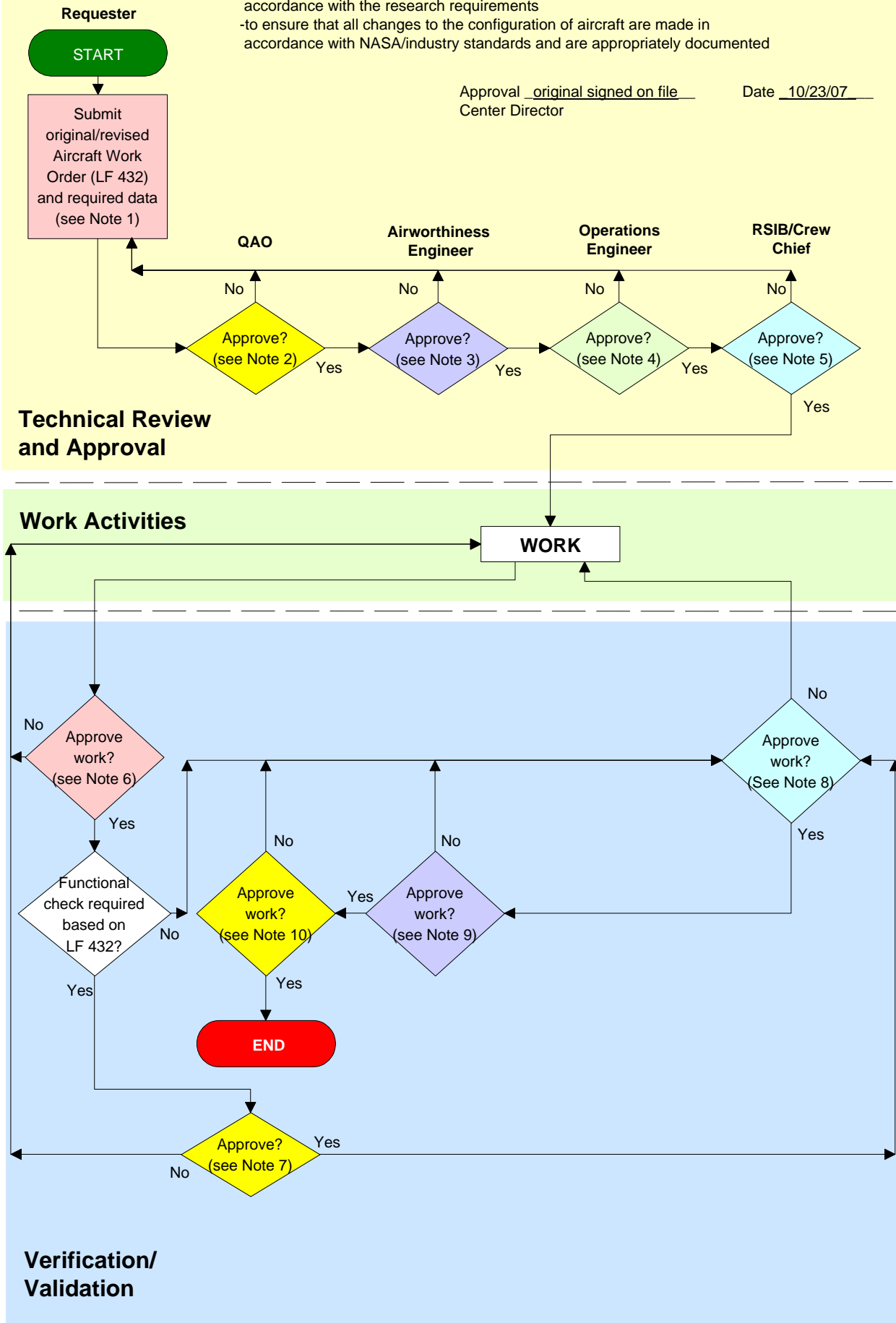
LMS-CP-0910
Revision: D-1

Objectives:

- to ensure that all changes to the configuration of aircraft are made in accordance with the research requirements
- to ensure that all changes to the configuration of aircraft are made in accordance with NASA/industry standards and are appropriately documented

Approval original signed on file
Center Director

Date 10/23/07



General Information

The following records are generated by this procedure and should be maintained in accordance with CID 1440.7:

- Aircraft Work Order Request and Approval, LF 432
- Design Drawings and Analysis

General Note

When submitting LF 432, "Aircraft Work Order," requester must fill in:

- Aircraft Type and Registration Number
- Date
- Requestor
- Project Name
- Page Numbers
- Organization
- Phone
- Task
- Description of Work Requested and Complete List of All Engineering

When the Research Services Directorate (RSD) Technical Project Engineer (TPE) is not available, the Requester will serve as "back-up."

Note 1

Review by the Research Services Directorate (RSD) requestor:

- Meets project requirements
- Description of work is complete and technically accurate

Note 2

Review by the Quality Assurance Office (QAO):

- Verifies work order package is complete
 - Logs in configuration management system
- QAO reviews requested modifications for compliance with standard airworthiness practices. Notify the requestor if LF 432 is not approved.

Note 3

Review by the Airworthiness Engineer, MAB/RSD:

- Determines if modification will impact electrical/structural airworthiness of the aircraft.

Compliance issues such as materials, hardware, design, standard working practices, and the ability to integrate desired modifications with the basic aircraft in an airworthy manner.

Note 4

Operations Engineering Branch (OEB) reviews requested modifications for compliance with mission operational requirements and flight safety.

Note 5

Research Systems Integration Branch (RSIB) and Crew Chief ensure required resources are available. Crew Chief completes the following:

- Schedules activity
- Performs the work requested
- Notify requestor when work is ready for approval

Note 6

Requestor completes the following:

- Accepts how the work was accomplished
- Redline drawings and LF 432 as necessary.

Note 7

If a functional test is required, requestor completes the following:

- Complete functional tests, system/subsystem is operating as expected
- Redline drawings and LF 432 as necessary

QAO ensures that a functional check has been accomplished and the modification has been successfully integrated in the aircraft without adverse issues.

Note 8

Crew Chief completes the following:

- Ensures all engineering documentation redlines have been incorporated
- Work has been completed and meets Aircraft Maintenance standards
- Ensure LF 432 has been redlined as necessary

Note 9

Airworthiness Engineer completes the following:

- If the engineering has been updated determine if LF 432 revision is required.
- Determine if LF 432 is self-contained. Perform system level review if required.
- Ensure all modifications have been accomplished in accordance with aircraft practice.

Note 10

QAO inspects completed modifications to ensure they have been accomplished in accordance with standard airworthiness practices and are in compliance with engineering (documentation).

QAO completes the following:

- If the engineering has been updated, determine if LF 432 revision is required.
- Determine if LF 432 is self-contained. Perform system level review if required.
- Ensure all documents and originals are submitted to QAO and close LF 432.